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(54) Title: RECOMBINANT ANTI-TUMOR RNASE

(57) Abstract

This invention provides for new recombinant ribonuclease proteins which are active when expressed by bacteria. This allows the recombinant ribonucleases of this invention to be fused in-frame with ligand binding moieties to form cytotoxic fusion proteins. Furthermore, these proteins are more active than ribonucleases currently available even though the proteins of this invention lack an N-terminal pyroglutamic acid, which has been found to be necessary for ribonucleolytic activity. Because these proteins are recombinant proteins, mutations which increase cytotoxicity can be engineered.